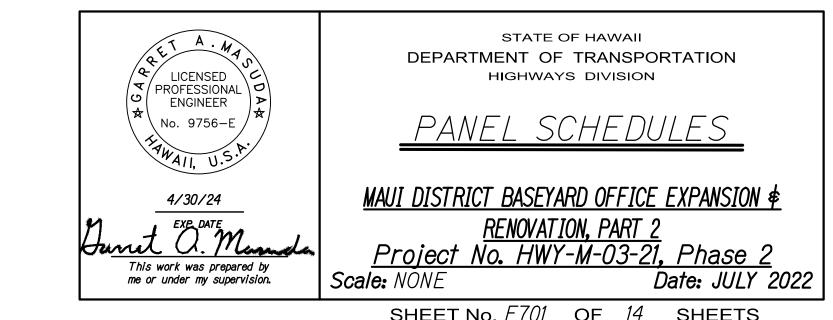
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-03-21, PHASE 2	2022	45	46

	L: MADP				VOLTAG			/120V			PHASI	<u> </u>	POLES:	42		
	BUS: 40				MAIN BK		300A			4	WIRE		MIN. A.I.C.:	10KAI	<u>C</u>	
MOU		URFA	CE EXTERIOR WALL - NEMA 4X		BKR TYP	<u>E:</u>	BOLT	-ON					CABINET WIDTH:	28"		
GND	WIRE		DESCRIPTION	TYPE	CKT		_	1	VA -			CKT	표 DESCRIPTION	СКТ	WIRE	
		NO.		<u> </u>	BKR		A		В	'	<u>C</u>	BKR		NO.		1
#6	#1/0		PANEL D SECTION 1		3P125A	10.2	14.4		1			3P150A	PANEL D SECTION 2		#1/0	_
#6	#1/0	3			-			10.2	14.4		1	-	-		#1/0	_
#6	#1/0	5			-		1	1		10.2	14.4	-	-		#1/0	#
#8	#2		PANEL BRDP		3P100A	2.0	1.0		1			1P20A	SPARE	8	-	
#8	#2	9						2.0	1.0		1	1P20A	SPARE	10	-	
#8	#2	11						1		2.0	1.0	1P20A	SPARE	12	-	
			PFB										PFB	14		<u> </u>
			PFB			1							PFB	16		<u> </u>
		17	PFB				1						PFB	18		<u> </u>
		19	PFB										PFB	20		
		21	PFB										PFB	22		
		23	PFB				_						PFB	24		
		25	PFB										PFB	26		
		27	PFB										PFB	28		1
		29	PFB										PFB	30		
		31	PFB										PFB	32		
		33	PFB										PFB	34		<u> </u>
		35	PFB										PFB	36		
		37	PFB					1					PFB	38		<u> </u>
		39	PFB										PFB	40		
		41	PFB										PFB	42		
			TOTAL PHASE A, B, C			27.6		27.6		27.6						
			CONNECTED KVA:			82.8		KVA		27.6						
								%								
			DEMAND FACTOR: DEMAND KVA:			100 82.8		% KVA								
									,							
			DEMAND AMPS:			230		AMPS	•							
			DEMAND KVA			Α		В		С						
						27.6		27.6		27.6						

PANEI	L: RED	P			VOLTAGE	<u>:</u>	208Y	/120V		3	PHAS	E	POLES:	42				
MAIN	BUS:	225A			MAIN BK	R:	200A	ı		4	WIRE		MIN. A.I.C.:	10KAI	С			
NOU	NTING	: SURF	FACE NEMA 1		BKR TYPE	PE: BC		BOLT-ON					CABINET WIDTH:	20"				
GND	WIRE		KT DESCRIPTION		CKT			т —	(VA	1		CKT	비스 DESCRIPTION	СКТ	WIRE	GND		
				TYPE	BKR	A		В		С		BKR		NO.	1	1		
#10	#8	+	PANEL FSDP		3P100A	4.2	0.5	-	1			1P20A	EMERGENCY FUEL SHUT OFF SYSTEM	2	#12	#1		
#10	#8	3	-		-			3.1	0.7			1P20A	FUEL CANOPY LIGHTS	4	#10	#1		
#10	#8	5			-			-		2.8			PFB	6				
		+	PFB										PFB	8				
		+	PFB										PFB	10				
		 	PFB					4					PFB	12				
		13											PFB	14				
			PFB								1		PFB	16				
		17	PFB					1					PFB	18				
		19	PFB										PFB	20				
		21	PFB										PFB	22				
		23	PFB										PFB	24				
		25	PFB										PFB	26				
		27	PFB										PFB	28				
		29	PFB										PFB	30				
		31	PFB										PFB	32				
		33	PFB										PFB	34				
		35	PFB						•				PFB	36				
		37	PFB					1					PFB	38				
		39	PFB				•						PFB	40				
		41	PFB										PFB	42				
			EXISTING PANEL C *		•	14.5)	14.5		14.5		•						
			TOTAL PHASE A, B, C			19.2	! -	18.3		17.3		NOTES:						
			CONNECTED KVA:			54.8		KVA					THROUGH LUG					
			DEMAND FACTOR:			100		%					INDICATES SHUNT TRIP CIRCUIT BREAKER					
			DEMAND KVA:			54.8		KVA				-						
			DEMAND AMPS:			152		AMP	S									
			DEMAND KVA			Α		В		С								
						19.2	1	18.3		17.3								

PANE	L: BRD)P			VOLTAGE	:	208Y/	120V		3	PHAS	E	POLES:	18		
MAIN	BUS:	100A			MAIN BK	R:	100A			4	WIRE		MIN. A.I.C.:	10KAI	C	
MOU	NTING	: SURF	ACE EXTERIOR WALL - NEMA 3R		BKR TYPE	Ξ:	BOLT-	-ON					CABINET WIDTH:	20"		
D	RE	СКТ	DESCRIPTION	٦E	СКТ			K'	VA			СКТ	坦 DESCRIPTION	СКТ	WIRE	
GND	WIRE	NO.		TYPE	BKR	,	Д		В		C	BKR	≥	NO.	\mathbb{X}	GND
-	-	1	SPARE		1P20A	1.0	1.0					1P20A	SPARE	2	-	-
-	_	3	SPARE		1P20A			1.0	1.0			1P20A	SPARE	4	-	_
-	-	5	SPARE		1P20A					1.0	1.0	1P20A	SPARE	6	-	
		7	PFB										PFB	8		
		9	PFB										PFB	10		
		11	PFB										PFB	12		
		13	PFB										PFB	14		
		15	PFB										PFB	16		
		17	PFB										PFB	18		\perp
			TOTAL PHASE A, B, C			2.0		2.0		2.0		NOTES:				
			CONNECTED KVA:			6.0		KVA				PANEL PI	ROVIDED TO ALLOT FOR EXTRA CIRCUIT CAF	PACITY		
			DEMAND FACTOR:			100		%				TO ALLEY	VIATE NUISANCE TRIPPING ON EXISTING BRA	NCH		
			DEMAND KVA:			6.0		KVA				CIRCUITS	S. CIRCUITS TO BE TRANSFERRED BY THE STA	ATE IN		
			DEMAND AMPS:			17		AMPS	;			THE FUT	URE.			
			DEMAND KVA			Α		В		С						
						2.0		2.0		2.0						

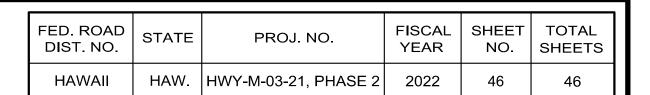
PANE	L: FSD	Р			VOLTAG	E:	208Y,	/120V		3	PHAS	E	POL	.ES:	18		
MAIN	BUS:	100A			MAIN BK	R:	100A	SHUN	T TRIP	4	WIRE		MIN	N. A.I.C.:	10KAI	С	
MOUI	NTING	: SURI	FACE NEMA 1		BKR TYP	E:	BOLT	-ON					CAE	BINET WIDTH:	20"		
D	RE	СКТ	DESCRIPTION	>E	СКТ			K۱	VA			СКТ	٦E	DESCRIPTION	CKT	RE	
GND	WIRE	NO.		TYPE	BKR		Α		В		С	BKR	TYPE		NO.	WIRE	
#8	#6	1	DISPENSER D-1 (DIESEL PUMP)	N	1P40A	1.9	0.2					1P20A	N	FUEL MANAGEMENT SYSTEM CONTROLLE	R 2	#12	
-	-	3	-	-	-			0.0	0.0			-	-	-	4	-	
#8	#8	5	D-1 DISPENSER CONTROLLER	N	1P15A					1.4	1.4	1P15A	N	D-2 DISPENSER CONTROLLER	6	#8	
-	-	7	-	-	-	0.0	0.0		_			_	-	-	8	-	
#8	#6	9	DISPENSER D-2 (GAS PUMP)	N	1P40A			1.9	1.2			1P20A	N	FUEL TANK CONTROL PANEL	10	#8	
-	-	11	-	-	-					0.0	0.0	-	-	-	12	-	
		13	SPARE	N	1P20A	1.0	1.0					1P20A	N	SPARE	14		
		15	-	-	-			0.0	0.0			-	-	-	16		
		17	PFB											PFB	18		
												NOTES:					
			TOTAL PHASE A, B, C			4.2		3.1		2.8		TYPE "N"	IND	ICATES SWITCHED NEUTRAL CIRCUIT BREA	٩KER.		
			CONNECTED KVA:			10.1		KVA				ALL BREA	AKEF	RS ON THIS PANEL REQUIRED TO BE SWITC	HED		
			DEMAND FACTOR:			100		%				NEUTRAI	L TYI	PE BREAKERS.			
			DEMAND KVA:			10.1		KVA									
			DEMAND AMPS:			28		AMPS	5								
			DEMAND KVA			Α		В		С		PANEL S	HAL	L NOT BE ALLOWED TO INCLUDE ANY OT	HER		
						4.2		3.1		2.8		LOADS C	OUTS	SIDE OF THE ONES LISTED. PROVIDE PLAC	UE ON		
												PANEL C	OVE	R STATING, "FUEL STATION LOADS ONLY	.17		

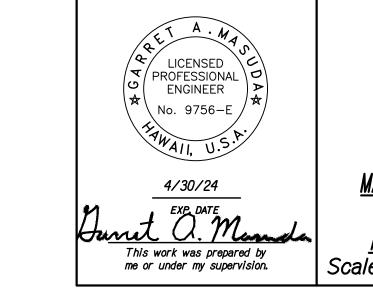


SHEET No. *E701* OF *14* SHEETS

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PANE	L: TS				VOLTAGE	:	208Y,	/120V		3	PHAS	E	POLES:	18			
MAIN	BUS: 1	LOOA			MAIN BK	R:	3P 70)A		4	WIRE		MIN. A.I.C.:	10KA	10KAIC		
MOU	NTING:	: SURI	FACE EXTERIOR WALL - NEMA 3R		BKR TYPE	:	BOLT-ON						CABINET WIDTH:	20"			
N B	M	СКТ	DESCRIPTION	ΙŽ	СКТ	KVA						СКТ	DESCRIPTION	СКТ	×	N9	
		NO.			BKR	Α		В		С		BKR		NO.			
#10	#10	1	(E) LIFT		3P30A	1.0	0.2		•			1P20A	(E) GFI ABOVE	2	#12	#12	
#10	#10	3	-		-		•	1.0	1.9			2P20A	(E) BATTERY CHARGE	4	#12	#12	
#10	#10	5	-		-					1.0	1.9	-	-	6	#12	#12	
#12	#12	7	(E) LIGHTS		1P20A	1.0	1.0					1P20A	(E) TRAFFIC SIGNS OUTLETS	8	#12	#12	
#12	#12	9	(E) TRAFFIC SIGNAL OUTLETS		1P20A			1.0	1.0			1P20A	(E) TRAFFIC SIGNS OUTLETS	10	#12	#12	
#12	#12	11	(E) BRIDGE BAY OUTLETS		1P20A					1.0	1.0	1P20A	(E) SIGN BOARDS OUTLETS	12	#12	#12	
		13	PFB				1.0					1P20A	(E) SIGN BOARDS OUTLETS	14	#12	#12	
		15	PFB										PFB	16			
		17	PFB										PFB	18			
			TOTAL PHASE A, B, C			4.2		4.9		4.9		NOTES:					
			CONNECTED KVA:			14.0		KVA				PROVID					
			DEMAND FACTOR:			100		%				CIRCUIT					
			DEMAND KVA:			14.0		KVA									
			DEMAND AMPS:			39		AMPS	6								
			DEMAND KVA			Α		В		С							
						4.2		4.9		4.9							





STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

PANEL SCHEDULES

MAUI DISTRICT BASEYARD OFFICE EXPANSION \$

RENOVATION, PART 2

Project No. HWY-M-03-21, Phase 2

Scale: NONE Date: JULY 2022

SHEET No. *E702* OF *14* SHEETS